

Technical Data Sheet



ALTECH PP-H A 1000/546 FR GY1197-20

Base Polymer	Polypropylene Homopolymer
Filler/Additive System	flame retardant
Colour	grey, natural color
Special Features	metal deactivator (stabiliser), easy flow
Market Segment	electrical and electronic
Typical Applications	housings

Pre-Drying Conditions	in a dry air (dessiccant) dryer 80-120 °C for 2-3 h in an air circulating dryer 80-120 °C for 2-4 h
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Processing Injection Moulding	melt temperature 200-250 °C mould temperature 20-70 °C
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Storage	dry, protected from light
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Properties	Value	Dimension	Test Norm
Mechanical Properties			
Flexural Modulus	1400	MPa	ISO 178
Flexural Stress (3.5% Strain)	38	MPa	ISO 178
Tensile Modulus	1300	MPa	ISO 527
Tensile Stress at Yield	34	MPa	ISO 527
Tensile Elongation at Yield	8.9	%	ISO 527
Tensile Elongation at Break	40	%	ISO 527
Impact Strength (Charpy, 23°C)	75	kJ/m ²	ISO 179/1eU
Impact Strength (Charpy, -40°C)	15	kJ/m ²	ISO 179/1eU
Notched Impact Strength (Charpy, 23°C)	2	kJ/m ²	ISO 179/1eA
Notched Impact Strength (Charpy, -40°C)	1.5	kJ/m ²	ISO 179/1eA
Thermal Properties			
Vicat B50	90	°C	ISO 306
HDT / A (1,8 MPa)	57	°C	ISO 75-1/-2
DSC (Melt Point)	166	°C	ISO 11357
Rheological Properties			
Melt Index (MVR)	30	cm ³ /10min	ISO 1133
MVR temperature	230	°C	-
MVR load	2.16	kg	-
Shrinkage (lengthwise, 24h)	1.7 - 2.1	%	ISO 294-4
Shrinkage (lateral, 24h)	1.6 - 2	%	ISO 294-4
Physical Properties			
Density	940	kg/m ³	ISO 1183
Flammability			
Flammability (1.5 mm)	V-2	class	UL 94